AIR QUALITY PERMIT

Issued To:	Omimex Canada, Ltd. Strawberry Creek Compressor Station 4854 West Angling RD. Lundington, MI 49431	Permit: #3898-01 Application Complete: 3/5/08 Preliminary Determination Issued: 4/10/08 Department's Decision Issued: 4/28/08 Permit Final: AFS #: 101-0025

An air quality permit, with conditions, is hereby granted to Omimex Canada, Ltd. (Omimex), pursuant to Sections 75-2-204 and 211 of the Montana Code Annotated (MCA), as amended, and Administrative Rules of Montana (ARM) 17.8.740, *et seq*., as amended, for the following:

SECTION I: Permitted Facilities

A. Plant Location

Omimex operates natural gas compressor station and associated equipment located 17 miles northeast of Shelby, in the West ½ of the Southeast ¼ of Section 29, Township 35 North, Range 3 East, in Toole County, Montana. A list of permitted equipment is included in Section I.A of the Permit Analysis.

B. Current Permit Action

On March 5, 2008, the Department of Environmental Quality (Department) received a permit modification application from Aspen Consulting and Engineering, Inc., on behalf of Omimex for Permit #3898-00. Omimex requested a permit modification to install turbocharger retrofit upgrades for the two 842 horesepower (hp) natural gas-fired Waukesha 7042G compressor engines making each engine capable of 1,289 hp after the retrofit. The post turbocharge upgrade compressor engine versions are known as Waukesha 7042 GSI(s).

The modification changes the permit conditions and limitations, and incorporates new and recently modified Federal New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants, as applicable.

SECTION II: Conditions and Limitations

A. Emission Limitations

1. Omimex shall not operate more than two natural gas compressor engines at any given time and the maximum rated design capacity of each engine shall not exceed 1289-brake horsepower (bhp) (ARM 17.8.749).

2. Emissions from any rich-burn natural gas compressor engine shall be controlled by the use of a non-selective catalytic reduction (NSCR) unit and an air-to-fuel ratio (AFR) controller. The pound per hour (lb/hr) emission limits for the engines shall be determined using the following equation and pollutant specific gram per brake horsepower-hour (g/bhp-hr) emission factors (ARM 17.8.752):

<u>Equation</u>
Emission Limit (lb/hr) = Emission Factor (g/bhp-hr) * maximum rated design capacity of engine (bhp) * 0.002205 pounds per gram (lb/g)

Emission Factors

Oxides of Nitrogen (NO_x):	1.0 g/bhp-hr
Carbon Monoxide (CO):	2.0 g/bhp-hr
Volatile Organic Compounds (VOC):	1.0 g/bhp-hr

3. Emissions from any lean-burn natural gas compressor engine shall be controlled by the use of an oxidation catalyst and an AFR controller. The lb/hr emission limits for the engines shall be determined using the following equation and pollutant specific g/bhp-hr emission factors (ARM 17.8.752):

   Equation
   Emission Limit (lb/hr) = Emission Factor (g/bhp-hr) * maximum rated design capacity of engine (bhp) * 0.002205 pounds per gram (lb/g)

   Emission Factors

NO_x:	1.0 g/bhp-hr
CO:	0.5 g/bhp-hr
VOC:	1.0 g/bhp-hr

4. Omimex shall not cause or authorize emissions to be discharged into the outdoor atmosphere from any sources installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes (ARM 17.8.304).

5. Omimex shall not cause or authorize the use of any street, road, or parking lot without taking reasonable precautions to control emissions of airborne particulate matter (ARM 17.8.308).

6. Omimex shall treat all unpaved portions of the haul roads, access roads, parking lots, or general plant area with water and/or chemical dust suppressant as necessary to maintain compliance with the reasonable precautions limitation in Section II.A.5 (ARM 17.8.749).

7. Omimex shall comply with the applicable standards and limitations, and the reporting, recordkeeping, and notification requirements contained in 40 CFR 60, Subpart JJJJ, *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines* (ARM 17.8.340 and 40 CFR 60, Subpart JJJJ).

8. Omimex shall comply with the applicable standards and limitations, and the reporting, recordkeeping, and notification requirements contained in 40 CFR 63, Subpart HH, *National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities* (Arm 17.8.342 and 40 CFR 63, Subpart HH).

9. Omimex shall comply with the applicable standards and limitations, and the reporting, recordkeeping, and notification requirements contained in 40 CFR 63, Subpart ZZZZ, *National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines* (Arm 17.8.342 and 40 CFR 63, Subpart ZZZZ).

B. Testing Requirements

1. Each compressor engine shall be tested and compliance demonstrated with the NO_x and CO emission limits contained in either Section II.A.2 or II.A.3 (as applicable) of the permit within 180 days of initial start-up of each engine. After the initial source test, testing shall continue on an every 4-year basis or according to another testing/monitoring schedule as may be approved by the Department (ARM 17.8.105 and 17.8.749).

2. All compliance source tests shall conform to the requirements of the Montana Source Test Protocol and Procedures Manual (ARM 17.8.106).

3. The Department may require further testing (ARM 17.8.105).

C. Operational Reporting Requirements

1. Omimex shall supply the Department with annual production information for all emission points, as required by the Department in the annual emission inventory request. The request will include, but is not limited to, all sources of emissions identified in the emission inventory contained in the permit analysis.

   Production information shall be gathered on a calendar-year basis and submitted to the Department by the date required in the emission inventory request. Information shall be in the units required by the Department. This information may be used to calculate operating fees, based on actual emissions from the facility, and/or to verify compliance with permit limitations (ARM 17.8.505).

2. Omimex shall notify the Department of any construction or improvement project conducted, pursuant to ARM 17.8.745, that would include ***the addition of a new emissions unit***, change in control equipment, stack height, stack diameter, stack flow, stack gas temperature, source location, or fuel specifications, or would result in an increase in source capacity above its permitted operation. The notice must be submitted to the Department, in writing, 10 days prior to startup or use of the proposed de minimis change, or as soon as reasonably practicable in the event of an unanticipated circumstance causing the de minimis change, and must include the information requested in ARM 17.8.745(l)(d) (ARM 17.8.745).

3. All records compiled in accordance with this permit must be maintained by Omimex as a permanent business record for at least 5 years following the date of the measurement, must be available at the plant site for inspection by the Department, and must be submitted to the Department upon request (ARM 17.8.749).

D. Notification

1. Within 15 days of the installation date of each compressor engine, Omimex shall notify the Department of the actual installation date of each engine (ARM 17.8.749).

2. Within 15 days of the startup date of each compressor engine, Omimex shall notify the Department of the actual startup date of each engine (ARM 17.8.749).

SECTION III: General Conditions

A. Inspection – Omimex shall allow the Department's representatives access to the source at all reasonable times for the purpose of making inspections or surveys, collecting samples, obtaining data, auditing any monitoring equipment or observing any monitoring or testing, and otherwise conducting all necessary functions related to this permit.

B. Waiver – The permit and the terms, conditions, and matters stated herein shall be deemed accepted if Omimex fails to appeal as indicated below.

C. Compliance with Statutes and Regulations – Nothing in this permit shall be construed as relieving Omimex of the responsibility for complying with any applicable federal or Montana statute, rule, or standard, except as specifically provided in ARM 17.8.740, *et seq*. (ARM 17.8.756).

D. Enforcement – Violations of limitations, conditions and requirements contained herein may constitute grounds for permit revocation, penalties, or other enforcement action as specified in Section 75-2-401, *et seq*., MCA.

E. Appeals – Any person or persons jointly or severally adversely affected by the Department's decision may request, within 15 days after the Department renders its decision, upon affidavit setting forth the grounds therefore, a hearing before the Board of Environmental Review (Board). A hearing shall be held under the provisions of the Montana Administrative Procedures Act. The filing of a request for a hearing does not stay the Department's decision, unless the Board issues a stay upon receipt of a petition and a finding that a stay is appropriate under Section 75-2-211(11)(b), MCA. The issuance of a stay on a permit by the Board postpones the effective date of the Department's decision until conclusion of the hearing and issuance of a final decision by the Board. If a stay is not issued by the Board, the Department's decision on the application is final 16 days after the Department's decision is made.

F. Permit Inspection – As required by ARM 17.8.755, Inspection of Permit, a copy of the air quality permit shall be made available for inspection by the Department at the location of the source.

G. Permit Fee – Pursuant to Section 75-2-220, MCA, as amended by the 1991 Legislature, failure to pay the annual operation fee by Omimex may be grounds for revocation of this permit, as required by that section and rules adopted thereunder by the Board.

H. Construction Commencement – Construction must begin within 3 years of permit issuance and proceed with due diligence until the project is complete or the permit shall be revoked (ARM 17.8.762).

Permit Analysis
Omimex Canada, Ltd.
Permit #3898-01

I. Introduction/Process Description

Omimex Canada, Ltd. (Omimex) owns and operates a natural gas compressor station. The facility is located in the West ½ of the Southeast ¼ of Section 29, Township 35 North, Range 3 East, in Toole County, Montana, and is known as the Strawberry Creek Compressor Station.

A. Permitted Equipment

This facility includes the following permitted equipment:

- (2) 1,289-brake horsepower (bhp) Waukesha 7042GSI Compressor Engines
- (1) triethylene glycol (TEG) dehydration unit with a 1 million British thermal unit (MMBtu) per hour reboiler and associated 6 million standard cubic foot (scf) per day still vent
- (1) 2.21 MMBtu/hr heater

B. Source Description

The facility has two primary purposes. The first is to pump the field gas up to the required pressure in the natural gas transmission system. Compression of the gas is accomplished using the natural gas fired compressor engines described above.

The second purpose of the facility is to "dry" the gas as it is being processed. The gas contains moisture, which must be removed from the gas prior to being sent into the transmission system. This is accomplished with the dehydrator, also commonly called a reboiler or glycol unit. The gas is treated with a glycol solution, which absorbs the water in the gas stream. The glycol solution is then heated to about 300 degrees Fahrenheit (^{o}F) to drive off the water and return the glycol. The water that is driven off is released to the atmosphere. The heat necessary for this activity is generated by burning natural gas in the dehydrator reboiler.

C. Permit History

On December 14, 2006 Omimex was issued **Permit #3898-00** for the operation of their compressor station and associated equipment located in the West ½ of the Southeast ¼ of Section 29, Township 35 North, Range 3 East, in Toole County, Montana. The station was identified as the Strawberry Creek Compressor Station.

A Best Available Control Technology (BACT) determination was conducted for each new or altered source. The Department of Environmental Quality (Department) determined that a pounds per hour (lb/hr) emission limit equivalent to 1.0, 2.0 and 1.0 grams per break horsepower-hour (g/bhp-hr) for oxides of nitrogen (NO_x), carbon monoxide (CO) and volatile organic compounds (VOC), respectively, using a rich-burn engine equipped with non-selective catalytic reduction (NSCR) and air to fuel ratio (AFR) control was BACT for the two compressor engines. Similarly, the Department concluded that a lb/hr emission limit equivalent to 1.0, 0.5 and 1.0 g/bhp for NO_x, CO and VOC, respectively, for a lean-burn engine equipped with AFR was equivalent and applicable BACT for the two compressor engines. Both emission limitations were included in the permit to allow flexibility for facility operation. Finally, the Department determined that combustion of pipeline quality natural gas for reboiler operations and best management practices for the dehydration process constituted BACT for the dehydration unit, in this case.

D. Current Permit Action

On March 5, 2008, the Department received a permit modification application from Aspen Consulting and Engineering, Inc., on behalf of Omimex for Permit #3898-00. Omimex requested a permit modification to install turbocharger retrofit upgrades to the two 842 hp natural gas-fired Waukesha 7042G compressor engines making them each 1,289 hp engines. The post turbocharge upgrade compressor engine versions are known as Waukesha 7042 GSI.

This permit modification changes the permit conditions and limitations, and incorporates new and recently modified applicable Federal New Source Performance Standards and National Emission Standards for Hazardous Air Pollutants, as applicable. **Permit # 3898-01** replaces Permit #3898-00.

II. Applicable Rules and Regulations

The following are partial explanations of some applicable rules and regulations that apply to the facility. The complete rules are stated in the Administrative Rules of Montana (ARM) and are available, upon request, from the Department of Environmental Quality (Department). Upon request, the Department will provide references for location of complete copies of all applicable rules and regulations or copies where appropriate.

A. ARM 17.8, Subchapter 1 – General Provisions, including, but not limited to:

1. ARM 17.8.101 Definitions. This rule includes a list of applicable definitions used in this chapter, unless indicated otherwise in a specific subchapter.

2. ARM 17.8.105 Testing Requirements. Any person or persons responsible for the emission of any air contaminant into the outdoor atmosphere shall, upon written request of the Department, provide the facilities and necessary equipment (including instruments and sensing devices) and shall conduct tests, emission or ambient, for such periods of time as may be necessary using methods approved by the Department.

3. ARM 17.8.106 Source Testing Protocol. The requirements of this rule apply to any emission source testing conducted by the Department, any source or other entity as required by any rule in this chapter, or any permit or order issued pursuant to this chapter, or the provisions of the Clean Air Act of Montana, 75-2-101, *et seq*., Montana Code Annotated (MCA).

   Omimex shall comply with the requirements contained in the Montana Source Test Protocol and Procedures Manual, including, but not limited to, using the proper test methods and supplying the required reports. A copy of the Montana Source Test Protocol and Procedures Manual is available from the Department upon request.

4. ARM 17.8.110 Malfunctions. (2) The Department must be notified promptly by telephone whenever a malfunction occurs that can be expected to create emissions in excess of any applicable emission limitation or to continue for a period greater than 4 hours.

5. ARM 17.8.111 Circumvention. (1) No person shall cause or permit the installation or use of any device or any means that, without resulting in reduction of the total amount of air contaminant emitted, conceals or dilutes an emission of air contaminant that would otherwise violate an air pollution control regulation. (2) No equipment that may produce emissions shall be operated or maintained in such a manner as to create a public nuisance.

B. ARM 17.8, Subchapter 2 – Ambient Air Quality, including, but not limited to the following:

1. ARM 17.8.204 Ambient Air Monitoring
2. ARM 17.8.210 Ambient Air Quality Standards for Sulfur Dioxide
3. ARM 17.8.211 Ambient Air Quality Standards for Nitrogen Dioxide
4. ARM 17.8.212 Ambient Air Quality Standards for Carbon Monoxide
5. ARM 17.8.213 Ambient Air Quality Standard for Ozone
6. ARM 17.8.214 Ambient Air Quality Standard for Hydrogen Sulfide
7. ARM 17.8.220 Ambient Air Quality Standard for Settled Particulate Matter
8. ARM 17.8.221 Ambient Air Quality Standard for Visibility
9. ARM 17.8.222 Ambient Air Quality Standard for Lead
10. ARM 17.8.223 Ambient Air Quality Standard for PM_{10}

Omimex must maintain compliance with the applicable ambient air quality standards.

C. ARM 17.8, Subchapter 3 – Emission Standards, including, but not limited to:

1. ARM 17.8.304 Visible Air Contaminants. This rule requires that no person may cause or authorize emissions to be discharged into the outdoor atmosphere from any source installed after November 23, 1968, that exhibit an opacity of 20% or greater averaged over 6 consecutive minutes.

2. ARM 17.8.308 Particulate Matter, Airborne. (1) This rule requires an opacity limitation of less than 20% for all fugitive emission sources and that reasonable precautions be taken to control emissions of airborne particulate matter (PM). (2) Under this rule, Omimex shall not cause or authorize the use of any street, road, or parking lot without taking reasonable precautions to control emissions of airborne particulate matter.

3. ARM 17.8.309 Particulate Matter, Fuel Burning Equipment. This rule requires that no person shall cause, allow, or permit to be discharged into the atmosphere particulate matter caused by the combustion of fuel in excess of the amount determined by this rule.

4. ARM 17.8.310 Particulate Matter, Industrial Process. This rule requires that no person shall cause, allow, or permit to be discharged into the atmosphere particulate matter in excess of the amount set forth in this rule.

5. ARM 17.8.322 Sulfur Oxide Emissions--Sulfur in Fuel. (4) Commencing July 1, 1972, no person shall burn liquid or solid fuels containing sulfur in excess of 1 pound of sulfur per million Btu fired. (5) Commencing July 1, 1971, no person shall burn any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet of gaseous fuel, calculated as hydrogen sulfide at standard conditions. Omimex will burn natural gas in its fuel burning equipment, which will meet this limitation.

6. ARM 17.8.324 Hydrocarbon Emissions--Petroleum Products. (3) No person shall load or permit the loading of gasoline into any stationary tank with a capacity of 250 gallons or more from any tank truck or trailer, except through a permanent submerged fill pipe, unless such tank is equipped with a vapor loss control device as described in (1) of this rule.

7. ARM 17.8.340 Standard of Performance for New Stationary Sources and Emission Guidelines for Existing Sources. This rule incorporates, by reference, 40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS). The turbocharge retrofit at the Strawberry Creek facility is a physical change to the permitted equipment that results in an increase in emissions; therefore, the proposed change constitutes a modification as defined at 40 CFR 60, Subpart A. Accordingly, the NSPS 40 CFR 60, Subpart IIII, *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines* applies to modified sources pursuant to 40 CFR 60.4230(a)(5).

8. ARM 17.8.342 Emission Standards for Hazardous Air Pollutants for Source Categories. A major Hazardous Air Pollutant (HAP) source and affected area sources, as defined and applied in 40 CFR Part 63, shall comply with the requirements of 40 CFR Part 63, as applicable, including the following subparts:

   - 40 CFR 63, Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.
   - 40 CFR 63, Subpart HHH National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities.
   - 40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines.

   Based on the information submitted by Omimex, the Strawberry Creek facility is not subject to the provisions of 40 CFR 63, Subparts HHH, because the facility is not a major source of HAPs. However, the Strawberry Creek facility has a glycol dehydration unit and reciprocating internal combustion engines, which are affected area sources of HAPs under 40 CFR 63, Subparts HH and ZZZZ. Therefore, the Strawberry Creek facility is subject to 40 CFR 63, Subpart HH and Subpart ZZZZ, as applicable.

D. ARM 17.8, Subchapter 5 – Air Quality Permit Application, Operation, and Open Burning Fees, including, but not limited to:

1. ARM 17.8.504 Air Quality Permit Application Fees. This rule requires that an applicant submit an air quality permit application fee concurrent with the submittal of an air quality permit application. A permit application is incomplete until the proper application fee is paid to the Department. Omimex submitted the appropriate permit application fee for the current permit action.

2. ARM 17.8.505 Air Quality Operation Fees. An annual air quality operation fee must, as a condition of continued operation, be submitted to the Department by each source of air contaminants holding an air quality permit (excluding an open burning permit) issued by the Department. The air quality operation fee is based on the actual or estimated actual amount of air pollutants emitted during the previous calendar year.

   An air quality operation fee is separate and distinct from an air quality permit application fee. The annual assessment and collection of the air quality operation fee, described above, shall take place on a calendar-year basis. The Department may insert into any final permit issued after the effective date of these rules, such conditions as may be necessary to require the payment of an air quality operation fee on a calendar-year basis, including provisions that prorate the required fee amount.

E. ARM 17.8, Subchapter 7 – Permit, Construction, and Operation of Air Contaminant Sources, including, but not limited to:

1. ARM 17.8.740 Definitions. This rule is a list of applicable definitions used in this chapter, unless indicated otherwise in a specific subchapter.

2. ARM 17.8.743 Montana Air Quality Permits--When Required. This rule requires a person to obtain an air quality permit or permit alteration to construct, alter, or use any air contaminant sources that have the Potential to Emit (PTE) greater than 25 tons per year of any pollutant. Omimex has a PTE greater than 25 tons per year of NO_x, CO, and VOC; therefore, an air quality permit is required.

3. ARM 17.8.744 Montana Air Quality Permits--General Exclusions. This rule identifies the activities that are not subject to the Montana Air Quality Permit program.

4. ARM 17.8.745 Montana Air Quality Permits--Exclusion for De Minimis Changes. This rule identifies the de minimis changes at permitted facilities that do not require a permit under the Montana Air Quality Permit Program.

5. ARM 17.8.748 New or Modified Emitting Units--Permit Application Requirements. (1) This rule requires that a permit application be submitted prior to installation, alteration, or use of a source. Omimex submitted the required permit application for the current permit action. (7) This rule requires that the applicant notify the public by means of legal publication in a newspaper of general circulation in the area affected by the application for a permit. Omimex submitted an affidavit of publication of public notice for the March 6, 2008, issue of *The Great Falls Tribune*, a newspaper of general circulation in the Town of Great Falls in Cascade County, as proof of compliance with the public notice requirements.

6. ARM 17.8.749 Conditions for Issuance or Denial of Permit. This rule requires that the permits issued by the Department must authorize the construction and operation of the facility or emitting unit subject to the conditions in the permit and the requirements of this subchapter. This rule also requires that the permit must contain any conditions necessary to assure compliance with the Federal Clean Air Act (FCAA), the Clean Air Act of Montana, and rules adopted under those acts.

7. ARM 17.8.752 Emission Control Requirements. This rule requires a source to install the maximum air pollution control capability that is technically practicable and economically feasible, except that Best Available Control Technology (BACT) shall be utilized. The required BACT analysis is included in Section III of this permit analysis.

8. ARM 17.8.755 Inspection of Permit. This rule requires that air quality permits shall be made available for inspection by the Department at the location of the source.

9. ARM 17.8.756 Compliance with Other Requirements. This rule states that nothing in the permit shall be construed as relieving Omimex of the responsibility for complying with any applicable federal or Montana statute, rule, or standard, except as specifically provided in ARM 17.8.740, *et seq*.

10. ARM 17.8.759 Review of Permit Applications. This rule describes the Department's responsibilities for processing permit applications and making permit decisions on those permit applications that do not require the preparation of an environmental impact statement.

11. ARM 17.8.762 Duration of Permit. An air quality permit shall be valid until revoked or modified, as provided in this subchapter, except that a permit issued prior to construction of a new or altered source may contain a condition providing that the permit will expire unless construction is commenced within the time specified in the permit, which in no event may be less than 1 year after the permit is issued.

12. ARM 17.8.763 Revocation of Permit. An air quality permit may be revoked upon written request of the permittee, or for violations of any requirement of the Clean Air Act of Montana, rules adopted under the Clean Air Act of Montana, the FCAA, rules adopted under the FCAA, or any applicable requirement contained in the Montana State Implementation Plan (SIP).

13. ARM 17.8.764 Administrative Amendment to Permit. An air quality permit may be amended for changes in any applicable rules and standards adopted by the Board of Environmental Review (Board) or changed conditions of operation at a source or stack that do not result in an increase of emissions as a result of those changed conditions. The owner or operator of a facility may not increase the facility's emissions beyond permit limits unless the increase meets the criteria in ARM 17.8.745 for a de minimis change not requiring a permit, or unless the owner or operator applies for and receives another permit in accordance with ARM 17.8.748, ARM 17.8.749, ARM 17.8.752, ARM 17.8.755, and ARM 17.8.756, and with all applicable requirements in ARM Title 17, Chapter 8, Subchapters 8, 9, and 10.

14. ARM 17.8.765 Transfer of Permit. This rule states that an air quality permit may be transferred from one person to another if written notice of Intent to Transfer, including the names of the transferor and the transferee, is sent to the Department.

F. ARM 17.8, Subchapter 8 – Prevention of Significant Deterioration of Air Quality, including, but not limited to:

1. ARM 17.8.801 Definitions. This rule is a list of applicable definitions used in this subchapter.

2. ARM 17.8.818 Review of Major Stationary Sources and Major Modifications--Source Applicability and Exemptions. The requirements contained in ARM 17.8.819 through ARM 17.8.827 shall apply to any major stationary source and any major modification, with respect to each pollutant subject to regulation under the FCAA that it would emit, except as this subchapter would otherwise allow.

This facility is not a major stationary source since this facility is not a listed source and the facility's PTE is below 250 tons per year of any pollutant (excluding fugitive emissions).

G. ARM 17.8, Subchapter 12 – Operating Permit Program Applicability, including, but not limited to:

1. ARM 17.8.1201 Definitions. (23) Major Source under Section 7412 of the FCAA is defined as any source having:

a. PTE > 100 tons/year of any pollutant;

b. PTE > 10 tons/year of any one HAP, PTE > 25 tons/year of a combination of all HAPs, or lesser quantity as the Department may establish by rule; or

c. PTE > 70 tons/year of particulate matter with an aerodynamic diameter of 10 microns or less (PM_{10}) in a serious PM_{10} nonattainment area.

2. ARM 17.8.1204 Air Quality Operating Permit Program. (1) Title V of the FCAA amendments of 1990 requires that all sources, as defined in ARM 17.8.1204(1), obtain a Title V Operating Permit. In reviewing and issuing Air Quality Permit #3898-01 for Omimex, the following conclusions were made:

a. The facility's PTE is less than 100 tons/year for any pollutant.

b. The facility's PTE is less than 10 tons/year for any one HAP and less than 25 tons/year for all HAPs.

c. This source is not located in a serious PM_{10} nonattainment area.

d. This facility is subject to the NSPS at 40 CFR 60 Subpart IIII; however, in accordance with 40 CFR 60.4230(c) it is not subject to the Title V Operating Permit program solely on that basis.

e. This facility is subject to current NESHAP at 40 CFR 63, Subparts HH and ZZZZ; however, in accordance with 40 CFR 63.1270(e) and 6585(d), respectively, it is not subject to the Title V Operating Permit program solely on that basis.

f. This source is not a Title IV affected source, nor a solid waste combustion unit.

g. This source is not an EPA designated Title V source.

Based on these facts, the Department determined that Omimex is a minor source of emissions as defined under Title V.

III. BACT Determination

A BACT determination is required for each new or altered source. Omimex shall install on the new or altered source the maximum air pollution control capability which is technically practicable and economically feasible, except that BACT shall be utilized.

A BACT analysis was submitted by Omimex in Permit Application #3898-01, addressing some available methods of controlling emissions from natural gas compressor engines. The Department reviewed these methods, as well as previous BACT determinations in order to make the following BACT determination.

A. Compressor Engines

1. NO_x and CO BACT

As part of the NO_X and CO BACT analyses, the following control technologies were reviewed for:

- Lean-burn engine with a selective catalytic reduction (SCR) unit and an AFR controller
- Lean-burn engine with an SCR unit
- Lean-burn engine with an AFR controller
- Lean-burn engine with a NSCR unit and AFR controller
- Lean-burn engine with an NSCR unit
- Lean-burn engine with no additional controls
- Rich-burn engine with an NSCR unit and an AFR controller
- Rich-burn engine with an NSCR unit
- Rich-burn engine with an AFR controller
- Rich-burn engine with an SCR and an AFR controller
- Rich-burn engine with an SCR
- Rich-burn engine with no additional controls

As described in Section I.C. above BACT was previously determined to consist of NSCR and AFR for rich burn engines and AFR for lean burn engines. Currently, the facility operates rich burn engines with NSCR and AFR. Because Omimex is retrofitting existing engines, purchasing lean burn engines would be cost prohibitive. Since NSCR catalysts is the highest feasible level of control for the rich burn engines using NSCR with AFR as proposed meets the requirements of BACT.

2. VOC BACT

VOC emissions results from incomplete or inefficient combustion. Natural gas combustion, such as that proposed for the compressor engines, inherently results in low air pollutant emissions due to characteristics of the natural gas fuel fired to operate the compressors. Because the compressor engines burn pipeline quality natural gas, VOC BACT for the compressor engines is no control. AFR control provides for engine efficiencies and more efficient fuel consumption that further reduce emissions over and above no controls. The Department finds the proposed modification and AFR control for the compressor engines constitutes control equivalent to BACT for VOCs.

The control options selected have controls and control costs comparable to other recently permitted similar sources and are capable of achieving the appropriate emission standards.

IV. Emission Inventory

	Tons/year					
Source	**PM_{10}**	**NO_X**	**VOC**	**CO**	**SO_X**	**HCHO**
1,289-bhp Waukesha Compressor Engine	0.00	12.45	12.45	24.90	0.025	0.93
1,289-bhp Waukesha Compressor Engine	0.00	12.45	12.45	24.90	0.025	0.93
Dehydration Unit						
- Still Vent			1.43			1.00
- 1.0 MMBtu/hr Reboiler	0.03	0.44	0.02	0.37	0.00	0.00
2.21 MMBtu/hr heater	0.07	0.97	0.05	0.81	0.01	0.00
Total	0.11	26.31	26.40	50.98	0.06	2.86

1,289-bhp Waukesha Compressor Engines (2 Engines)

Brake Horsepower: 1,289 hp
Hours of operation: 8,760 hr/yr

PM_{10} Emissions
Emission Factor: 9.91E-03 lb/MMBtu (AP-42, Chapter 3, Table 3.2-3, 8/00)
Fuel Consumption: 9.83 MMBtu/hr (Manufacturer's Data)
Calculations: 9.83 MMBtu/hr * 7.71E-05 lb/MMBtu = 0.00076 lb/hr
0.00076 lb/hr * 8,760 hr/hr * 0.0005 ton/lb = 0.003 ton/yr

NO_X Emissions
Emission factor: 1.00 gram/bhp-hour (BACT Determination)
Calculations: 1.00 gram/bhp-hour * 1,289 hp * 0.002205 lbs/gram = 2.84 lb/hr
2.84 lb/hr * 8,760 hr/yr * 0.0005 ton/lb = 12.45 ton/yr

VOC Emissions
Emission factor: 1.00 gram/bhp-hour (BACT Determination)
Calculations: 1.00 gram/bhp-hour * 1,289 hp * 0.002205 lbs/gram = 2.84 lb/hr
2.84 lb/hr * 8,760 hr/yr * 0.0005 ton/lb = 12.45 ton/yr

CO Emissions
Emission factor: 2.00 gram/bhp-hour (BACT Determination)
Calculations: 2.00 gram/bhp-hour * 1,289 hp * 0.002205 lb/gram = 5.68 lb/hr
5.68 lb/hr * 8,760 hr/yr * 0.0005 ton/lb = 24.90 ton/yr

SO_X Emission
Emission factor: 5.88E-04 lb/MMBtu (AP-42, Chapter 3, Table 3.2-2, 8/00)
Fuel Consumption: 9.83 MMBtu/hr (Manufacturer's Data)
Calculations: 9.83 MMBtu/hr * 5.88E-04 lb/MMBtu = 0.0058 lb/hr
0.0058 lb/hr * 8,760 hr/hr * 0.0005 ton/lb = 0.025 ton/yr

HCHO Emissions
Emission factor: 0.075 gram/bhp-hour (Manufacturer's Data)
Calculations: 0.075 gram/bhp-hour * 1,289 hp * 0.002205 lb/gram = 0.21 lb/hr
0.21 lb/hr * 8,760 hr/yr * 0.0005 ton/lb = 0.93 ton/yr

TEG Regenerator Still Vent

The following emission summary has been estimated using the GRI-GLYCalc program. For the detailed input parameters refer to the permit application.

Regenerator Still Vent
Glycol Type: TEG
Annual Hours of Operation: 8760
Dry Gas Flow Rate: 6.0 MMScf/day (maximum)

Regenerator Emissions	lb/hr	ton/yr
Total VOC Emissions	0.33	1.43
Total HAP Emissions	0.23	1.00

Dehydrator Reboiler

Fuel Consumption: 1.0 MMBtu/hr * 0.001 MMScf/MMBtu * 8760 hr/yr = 8.76 MMscf/yr
Hours of operation: 8,760 hr/yr

PM_{10} Emissions
Emission Factor: 7.60 lb/MMScf (AP-42, 1.4-2, 7/98)
Fuel Consumption: 8.76 MMScf/yr
Calculations: 7.60 lb/MMScf * 8.76 MMScf/yr * 0.0005 ton/lb = 0.03 ton/yr

NO_X Emissions
Emission Factor: 100.00 lb/MMScf (AP-42, 1.4-1, 7/98)
Fuel Consumption: 8.76 MMScf/yr
Calculations: 100.00 lb/MMScf * 8.76 MMScf/yr * 0.0005 ton/lb = 0.44 ton/yr

VOC Emissions
Emission Factor: 5.50 lb/MMScf (AP-42, 1.4-2, 7/98)
Fuel Consumption: 8.76 MMScf/yr
Calculations: 5.50 lb/MMScf * 8.76 MMScf/yr * 0.0005 ton/lb = 0.02 ton/yr

CO Emissions
Emission Factor: 84.00 lb/MMScf (AP-42, 1.4-1, 7/98)
Fuel Consumption: 8.76 MMScf/yr
Calculations: 84.00 lb/MMScf * 8.76 MMScf/yr * 0.0005 ton/lb = 0.37 ton/yr

SO_X Emission
Emission Factor: 0.60 lb/MMScf (AP-42, 1.4-2, 7/98)
Fuel Consumption: 8.76 MMScf/yr
Calculations: 0.60 lb/MMScf * 8.76 MMScf/yr * 0.0005 ton/lb = 0.003 ton/yr

HCHO Emissions
Emission factor: 7.50E-02 lb/MMScf (AP-42, 1.4-3, 7/98)
Fuel Consumption: 8.76 MMScf/yr
Calculations: 7.50E-02 lb/MMScf * 8.76 MMScf/yr * 0.0005 ton/lb = 0.0003 ton/yr

2.21 MMBtu/hr Heater

Fuel Consumption: 2.21 MMBtu/hr * 0.001 MMScf/MMBtu * 8760 hr/yr = 19.36 MMscf/yr
Hours of operation: 8,760 hr/yr

PM_{10} Emissions
Emission Factor: 7.60 lb/MMScf (AP-42, 1.4-2, 7/98)
Fuel Consumption: 19.36 MMScf/yr
Calculations: 7.60 lb/MMScf * 19.36 MMScf/yr * 0.0005 ton/lb = 0.07 ton/yr

NO_X Emissions
Emission Factor: 100.00 lb/MMScf (AP-42, 1.4-1, 7/98)
Fuel Consumption: 19.36 MMScf/yr
Calculations: 100.00 lb/MMScf * 19.36 MMScf/yr * 0.0005 ton/lb = 0.97 ton/yr

VOC Emissions
Emission Factor: 5.50 lb/MMScf (AP-42, 1.4-2, 7/98)
Fuel Consumption: 19.36 MMScf/yr
Calculations: 5.50 lb/MMScf * 19.36 MMScf/yr * 0.0005 ton/lb = 0.05 ton/yr

CO Emissions
Emission Factor: 84.00 lb/MMScf (AP-42, 1.4-1, 7/98)
Fuel Consumption: 19.36 MMScf/yr
Calculations: 84.00 lb/MMScf * 19.36 MMScf/yr * 0.0005 ton/lb = 0.81 ton/yr

SO_X Emission
Emission Factor: 0.60 lb/MMScf (AP-42, 1.4-2, 7/98)
Fuel Consumption: 19.36 MMScf/yr
Calculations: 0.60 lb/MMScf * 19.36 MMScf/yr * 0.0005 ton/lb = 0.01 ton/yr

HCHO Emissions

Emission factor:	7.50E-02 lb/MMScf	(AP-42, 1.4-3, 7/98)
Fuel Consumption:	19.36 MMScf/yr	
Calculations:	7.50E-02 lb/MMScf * 19.36 MMScf/yr * 0.0005 ton/lb = 0.0003 ton/yr	

V. Existing Air Quality

The surrounding area is considered attainment/unclassified for the Montana and National Ambient Air Quality Standards (MAAQS and NAAQS).

VI. Ambient Air Impact Analysis

The Department determined, based on the relatively small size of the facility and the corresponding emissions, that the impacts from this permitting action will be minor. The Department believes the proposed project will not cause or contribute to a violation of any ambient air quality standard.

VII. Taking or Damaging Implication Analysis

As required by 2-10-105, MCA, the Department conducted a private property taking and damaging assessment and determined there are no taking or damaging implications.

VIII. Environmental Assessment

An environmental assessment, required by the Montana Environmental Policy Act, was completed for this project. A copy is attached.

DEPARTMENT OF ENVIRONMENTAL QUALITY
Permitting and Compliance Division
Air Resources Management Bureau
P.O. Box 200901, Helena, Montana 59620
(406) 444-3490

FINAL ENVIRONMENTAL ASSESSMENT (EA)

Issued To: Omimex Canada, Ltd.
4854 West Angling Rd.
Lundington, MI 49431

Air Quality Permit Number: 3898-01

Preliminary Determination Issued: 4/10/08
Department Decision Issued: 4/28/08
Permit Final:

1. *Legal Description of Site*: The facility would be located in the West ½ of the Southeast ¼ of Section 29, Township 35 North, Range 3 East, in Toole County, Montana.

2. *Description of Project*: The proposed action is to issue a modified Montana Air Quality Permit #3898-01 to Omimex for the Strawberry Creek Compressor station. The modification to the facility includes retrofitting the two existing 842-bhp natural gas compressor engines with turbochargers upgrades rendering them capable of 1,289-bhp. The existing facility includes two 842-bhp compressors to pump the field gas up to the required pressure in the natural gas transmission system, a TEG dehydration unit and associated 1 MMBtu per hour TEG reboiler to dehydrate the natural gas, and a 2.21 MMBtu/hr heater to provide heat to the building.

3. *Objectives of Project*: The objectives of the project are to issue a modification to permit #3998-00 whereby, authorizing Omimex to install the retrofit turbocharger upgrades to the existing compressor engines. It is assumed that the engine upgrade would enhance Omimex's capability and/or efficiency to sell natural gas to the transmission line providing efficiency cost savings and/or increase compressing capacity and revenue for the company.

4. *Alternatives Considered*: In addition to the proposed action, the Department also considered the "no-action" alternative. The "no-action" alternative would deny issuance of the modified air quality preconstruction permit, where-by Omimex would not be authorized to make the proposed upgrades to the existing facility. The Department does not consider the "no-action" alternative to be appropriate because Omimex has demonstrated compliance with the requirements of the existing permit and the proposed action does not constitute a violation of any applicable rules or regulation, upon modification of the permit. Furthermore, selection of the no-action alternative may inappropriately or unduly restrict Omimex's private property rights. Therefore, the "no-action" alternative was eliminated from further consideration.

5. *A Listing of Mitigation, Stipulations, and Other Controls*: A list of enforceable conditions, including a BACT analysis, would be included in Permit #3898-01.

6. *Regulatory Effects on Private Property*: The Department considered alternatives to the conditions imposed in this permit as part of the permit development. The Department determined that the permit conditions are reasonably necessary to ensure compliance with applicable requirements and demonstrate compliance with those requirements and do not unduly restrict private property rights.

7. The following table summarizes the potential physical and biological effects of the proposed project on the human environment. The "no-action" alternative was discussed previously. This analysis is tiered to environmental impacts analysis conducted for the project at-large that was published by the Department December 14, 2006.

		Major	Moderate	Minor	None	Unknown	Comments Included
A	Terrestrial and Aquatic Life and Habitats			X			Yes
B	Water Quality, Quantity, and Distribution			X			Yes
C	Geology and Soil Quality, Stability and Moisture			X			Yes
D	Vegetation Cover, Quantity, and Quality			X			Yes
E	Aesthetics				X		Yes
F	Air Quality			X			Yes
G	Unique Endangered, Fragile, or Limited Environmental Resources				X		Yes
H	Demands on Environmental Resource of Water, Air and Energy			X			Yes
I	Historical and Archaeological Sites				X		Yes
J	Cumulative and Secondary Impacts			X			Yes

SUMMARY OF COMMENTS ON POTENTIAL PHYSICAL AND BIOLOGICAL EFFECTS: The following comments have been prepared by the Department.

A. Terrestrial and Aquatic Life and Habitats

The proposed action does not involve further disturbance outside the footprint of the existing facility; therefore, no impacts are expected to terrestrial or aquatic life or habitats. The proposed changes to the facility would result in limited increases of air pollutant emissions. However, the increase in pollutant emissions from the proposed action is relatively minor and is expected to result in minor changes in to terrestrial and aquatic life, and habitat.

B. Water Quality, Quantity and Distribution

The proposed action is not expected to impact water quality, quantity, and distribution. The proposed action does not include direct discharges into surface water or consumption, displacement or redistribution of water resources. The proposed action will results in additional emissions of air pollutants and deposition of pollutants would occur. However, the Department has determined that the effect of any additional air pollutant deposition on water quality, quantity and distribution will be minor due to the relatively minor increase in total air emissions.

C. Geology and Soil Quality, Stability and Moisture

No additional disturbance is proposed extending beyond the current foot-print of the facility. Additional deposition of air pollutants would occur; however, the Department determined, based on the relatively small increase in air pollutant emission that impacts resulting from the increased deposition of pollutants on the soils surrounding the site would be minor.

D. Vegetation Cover, Quantity, and Quality

No additional disturbance is proposed extending beyond the current foot-print of the facility; therefore, no impacts to vegetative cover, quantity and quality will occur.

The facility would increase its emissions of air pollutants and corresponding deposition of pollutants would occur. However, the Department determined that any impacts resulting from the deposition of pollutants on the existing vegetation cover, quantity, and quality would be minor. Overall, minor impacts to vegetation cover, quantity, and quality from the proposed turbocharger retrofit project are expected.

E. Aesthetics

No modification to the visual profile of the existing facility is proposed; therefore, no visual impacts would result to the aesthetic values of the area.

Noise created by the facility may increase or take on a different character due to the operation of turbochargers and increased compressor engine power; however, the Department has determined any auditory aesthetic impacts would be minor.

F. Air Quality

The air quality of the area would realize minor impacts from the proposed project because the facility would increase emissions of the following air pollutants: PM_{10}; NO_X; CO; VOC, including HAPs; and sulfur oxides (SO_X). Increases in air emissions from the facility would be minimized by limitations and conditions that would be included in Permit #3898-01. Conditions would include, but would not be limited to, BACT emission limits and opacity limitations on the proposed engines and the general facility. In addition, based on professional experience and the relatively small size of the proposed increases in emissions, the Department determined that the proposed project would comply with the MAAQS and NAAQS.

Increased deposition of pollutants would occur as a result of the turbocharger upgrade; however, the Department has determined that the impacts from deposition of pollutants would be minor due to dispersion characteristics of pollutants (stack height, stack temperature, etc.), the atmosphere (wind speed, wind direction, ambient temperature, etc.), and conditions that would be placed in Permit #3898-01. Therefore, the Department believes that controlled emissions from the source would not cause or contribute to a violation of any ambient air quality standard. Therefore, any impacts to air quality from the proposed action would be minor and nonsignificant.

G. Unique, Endangered, Fragile, or Limited Environmental Resources

Previous environmental analysis concluded that, based on State Historic Preservation Office records, there are no recorded historic or archaeological sites within the proposed area. The currently proposed action does not require additional disturbance of the surrounding environment; therefore, no addition potential for impacts upon unique, endangered, fragile or limited resources is expected.

H. Demands on Environmental Resource of Water, Air and Energy

The proposed project would have minor impacts on the demands for the environmental resources of air, because the facility would emit a relatively minor amount of addition air pollutants. No additional demands for water are expected by the currently proposed action. Additional deposition of pollutants would occur as a result of the increased air emissions; however, the Department determined that any impacts from deposition of pollutants would be minor.

The proposed project would be expected to have minor impacts on the demand for the environmental resource of energy because fuel consumption by the compressor engines would increase due to the turbocharger upgrade. The impact on the demand for the non-renewable environmental resource of energy would be minor because the increase fuel demand is relatively small by industrial standards. Overall, the impacts for the demands on the environmental resources of water, air, and energy would be minor and nonsignificant.

I. Historical and Archaeological Sites

The proposed actions does not require additional land disturbance; therefore no impacts to potential undiscovered historical or archeological sites is expected.

J. Cumulative and Secondary Impacts

Overall, the cumulative and secondary impacts on the physical and biological aspects of the human environment in the immediate area would be minor and nonsignificant due to a relatively small increase in air emissions from those originally analyzed for this compressor station. The Department believes that this facility could be expected to operate in compliance with all applicable rules and regulations as would be outlined in Permit #3898-01.

Additional facilities (compressor stations, gas plants, etc.) could locate in the area to withdraw natural gas from the nearby area and/or to separate the components of natural gas. However, any future facility would be required to apply for and receive the appropriate permits from the appropriate regulating authority. Environmental impacts from any future facilities would be assessed through the appropriate permitting process.

8. The following table summarizes the potential economic and social effects of the proposed project on the human environment. The "no-action" alternative was discussed previously. This analysis is tiered to environmental impacts analysis conducted for the project at-large that was published by the Department December 14, 2006.

		Major	Moderate	Minor	None	Unknown	Comments Included
A	Social Structures and Mores				X		Yes
B	Cultural Uniqueness and Diversity				X		Yes
C	Local and State Tax Base and Tax Revenue			X			Yes
D	Agricultural or Industrial Production				X		Yes
E	Human Health			X			Yes
F	Access to and Quality of Recreational and Wilderness Activities				X		Yes
G	Quantity and Distribution of Employment				X		Yes
H	Distribution of Population				X		Yes
I	Demands for Government Services			X			Yes
J	Industrial and Commercial Activity				X		Yes
K	Locally Adopted Environmental Plans and Goals				X		Yes
L	Cumulative and Secondary Impacts			X			Yes

SUMMARY OF COMMENTS ON POTENTIAL ECONOMIC AND SOCIAL EFFECTS: The following comments have been prepared by the Department.

A. Social Structures and Mores
B. Cultural Uniqueness and Diversity

The proposed action would not impact the above social and economic resources in the area because the facility is located at a relatively remote location. The proposed action is not expected to necessitate additional new permanent employment; therefore, it would likely not result in immigration of new people to the area for employment purposes. Accordingly, no impact on the above social and economic resources, and cultural uniqueness and diversity of the area are expected.

Additional activity (vehicle traffic, construction equipment, etc.) may occur to deliver parts and personnel to implement the turbocharger upgrade. However, once the retrofit is complete activities associated with the operation of the facility are not expected to change. Overall, impacts to the above social and economic resources in the area would be negligible.

C. Local and State Tax Base and Tax Revenue

The proposed project would result in minor impacts to the local and state tax base and tax revenue because the facility may be capable of increasing production of a taxable commodity due to increases in compressor engine power. However, corresponding impacts on state and local tax base/revenue would be minor and nonsignificant.

D. Agricultural or Industrial Production

No disturbance, consumption or acquisition of agricultural land is proposed by the current action; therefore, impacts to agricultural production are not expected.

Additional facilities (compressor stations, gas plants, etc.) could locate in the area to withdraw natural gas from the nearby area and/or to separate the components of natural gas. However, any future facility would be required to apply for and receive the appropriate permits from the appropriate regulating authority. Environmental impacts from any future facilities would be assessed through the appropriate permitting process. The Department is not aware of plans for any additional facilities at this time. Overall, no impacts to agricultural or industrial production of the area are expected.

E. Human Health

The proposed project would result in minor, if any, impacts to human health. Increases in air pollutant emissions and deposition would occur; however, the Department has determined that the proposed project would comply with all applicable air quality rules, regulations, and standards. These rules, regulations, and standards are designed to be protective of human health. Overall, any impacts to public health would be minor and nonsignificant.

F. Access to and Quality of Recreational and Wilderness Activities

The proposed project would not have impacts on access to recreational and wilderness activities because no additional construction or access limitations are proposed. The proposed action may produce additional, or a change in the character of noise emitted by the facility; however, the Department has determined these changes are negligible. Overall, impacts to the access and quality of recreational and wilderness activities are not expected.

G. Quantity and Distribution of Employment
H. Distribution of Population

The proposed action will not cause impacts on the employment or population distribution in the area because no new permanent employment would be required.

I. Demands for Government Services

There would be minor impacts on the demands for government services because additional time would be required by government agencies to issue the appropriate permit modifications. However, the nature of the modifications to the existing permit(s) required to authorize the proposed action are minor and nonsignificant. No other demands on governmental services are expected. Overall, demands for government services to regulate the facility or activities associated with the facility would be minor and nonsignificant due to the relatively minor changes required to the permit(s) and compliance evaluation efforts.

J. Industrial and Commercial Activity

No impacts would be expected on the local industrial and commercial activity because the proposed action is a modification to an existing facility and does not represent an increase in the industrial and commercial activity in the area.

Additional facilities (compressor stations, gas plants, etc.) could locate in the area to withdraw natural gas from the nearby area and/or to separate the components of natural gas. However, any future facility would be required to apply for and receive the appropriate permits from the appropriate regulating authority. Environmental impacts from any future facilities would be assessed through the appropriate permitting process. Overall, any impacts to the local industrial and commercial activity of the area would be minor.

K. Locally Adopted Environmental Plans and Goals

The Department is unaware of any locally adopted environmental plans or goals. The permit would ensure compliance with state standards and goals. The state standards would protect the proposed site and the environment surrounding the site.

L. Cumulative and Secondary Impacts

Overall, cumulative and secondary impacts from this project would result in minor impacts to the economic and social aspects of the human environment in the immediate area. Due to the relatively small size of the project, any impacts resulting from the proposed project would be minor and nonsignificant. In addition, the Department believes that this facility could be expected to operate in compliance with all applicable rules and regulations as would be outlined in Permit #3898-01.

Additional facilities (compressor stations, gas plants, etc.) could locate in the area to withdraw natural gas from the nearby area and/or to separate the components of natural gas. However, any future facility would be required to apply for and receive the appropriate permits from the appropriate regulating authority. Environmental impacts from any future facilities would be assessed through the appropriate permitting process.

Recommendation: No Environmental Impact Statement (EIS) is required.

The current permitting action is for modification of an existing facility, of which the environmental impacts have already been analyzed and found to be nonsignificant. Permit #3898-01 includes conditions and limitations to ensure the facility will operate in compliance with all applicable rules and regulations. There are no significant impacts associated with the turbocharger retrofit proposal.

Other groups or agencies contacted or which may have overlapping jurisdiction: Montana Historical Society – State Historic Preservation Office, Natural Resource Information System – Montana Natural Heritage Program

Individuals or groups contributing to this EA: Department of Environmental Quality – Air Resources Management Bureau, Montana Historical Society – State Historic Preservation Office, Natural Resource Information System – Montana Natural Heritage Program

EA prepared by: P. Skubinna
Date: April 3, 2008